



NanoCount 25

Liquid Particle Counter

The **NanoCount 25** is the world's first 25 nanometer liquid particle counter. Based on state-of-the-art technology and built by Lighthouse, it is backed by a two-year warranty and international support.

The **NanoCount 25** provides a built-in display for viewing real time data and uses the industry standard RS-485 MODBUS communication protocol. Integration into facility monitoring systems or use as a stand-alone device is quick and easy.

By incorporating Diode-Pumped Solid State Laser particle counting technology and designing for reliability, the **NanoCount 25** is intended for continuous trouble-free operation.

**Designed and built by
Lighthouse - a name you can trust.**

Lighthouse is an ISO 9001:2000 Registered Company

www.golighthouse.com

Features:

- ★ 25nm Detection Limit
- ★ Channel Sizes - 25nm, 50nm, 75nm, 100nm
- ★ Four Channels of Simultaneous Count Data
- ★ 10 mL per Minute Flow Rate
- ★ Built-in Display
- ★ 20 counts/Liter Zero Count Rate
- ★ Interfaces with Existing Building Automation and Factory Management Systems
- ★ 316L Stainless Steel Construction
- ★ Ethernet, RS-485 / MODBUS and Analog Outputs
- ★ NEMA Enclosure
- ★ Integrated Manual Flow Control

Benefits:

- ★ 2 Year Warranty
- ★ Greater Statistical Process Control
- ★ Easy System Integration
- ★ International Sales and Service Support
- ★ Low Cost of Ownership

Applications:

- ★ Deionized Water Monitoring
- ★ Process Qualification and Monitoring
- ★ Filter Efficiency Particle Measurements



Specifications:

Size Range:	25 - 100nm
Channel Sizes:	Standard: 25nm, 50nm, 75nm, 100nm
Flow Rate:	10 mL/min
Zero Count Level:	< 20 counts/Liter
Laser Source:	Diode-Pumped Solid State Laser
Calibration:	NIST Traceable
Communication Modes:	RS-232 via RJ45 to PC, RS-485
LED Indicators	Power, Service, Sampling
Concentration Limit:	200,000 counts/ml @ 5% Coincidence Error
Enclosure:	Stainless Steel
Sample Inlet/Outlet Connection:	1/4" Flaretek™
Sample Temperature:	32 - 122°F (0 – 50°C)
Sample Pressure:	150 PSI
Wetted Surface Materials:	Quartz, PTFE, PFA, Polycarbonate, Viton
Communication Protocol:	Ethernet, RS-485, 3 Analog Outputs
Power:	24VDC
Dimensions:	20.00" (w) x 8.79" (h) x 24.00" (d) [50.8 x 22.36 x 60.96 cm]
Weight:	29 lbs (13.1 kg)

Environmental Conditions:

Operating:	50°F to 104°F (10°C to 40°C) / 20% to 95% non-condensing
Storage:	14°F to 122°F (-10°C to 50°C) / Up to 98% non-condensing

Accessories:

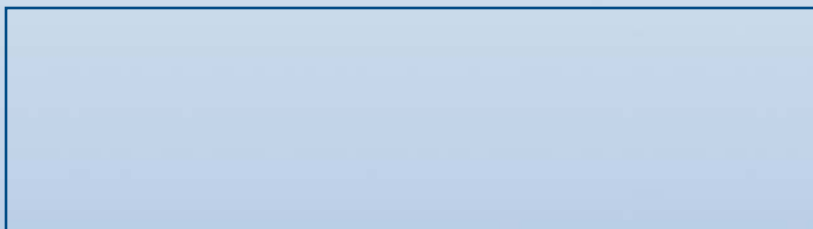
Included:	Operating Manual on CD; 10' Sample Tubing; Power Supply; Flow Cell Cleaning Solution and Brush; Cable; RJ-45 to DB9 Adapter
Optional:	Printed Operating Manual; Tubing

Manufactured by:



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